

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

# WEST Search History

DATE: Monday, September 15, 2003

**Set Name Query**  
side by side

**Hit Count Set Name**  
result set

*DB=USPT,PGPB; PLUR=YES; OP=OR*

L21	L20 or l17	40	L21
L20	L19 and l17	11	L20
L19	L18 or l1	20103	L19
L18	((514/28  514/33  514/456 )!.CCLS. )	1644	L18
L17	L16 or l14	40	L17
L16	L15 and l10	8	L16
L15	herpes and l11	1198	L15
L14	L13 or l12 or l9 or l8 or l6 or l5	40	L14
L13	L12 and herpes	8	L13
L12	L11 and l2	36	L12
L11	l3 or l5	9647	L11
L10	herpes and l2	61	L10
L9	L8 and l1	11	L9
L8	L6 or l5	40	L8
L7	L6 or 5	3548055	L7
L6	L3 and l2	36	L6
L5	quateranry near4 ammonium	4	L5
L4	L3n and l2	0	L4
L3	(benzalkonium or benzylalkonium)	9643	L3
L2	echinacea	446	L2
L1	((514/642  514/643  514/2  514/23  514/24  514/25  514/26  514/27  514/28  514/29  514/30  514/31  514/32  514/33  514/34  514/35  514/36  514/37  514/38  514/39  514/40  514/41  514/42  514/43  514/44  514/45  514/46  514/47  514/48  514/49  514/50  514/51  514/52  514/53  514/54  514/55  514/56  514/57  514/58  514/59  514/60  514/61  514/62 )!.CCLS. )	18965	L1

END OF SEARCH HISTORY

treatment of inflammation, infection, nonbladder (pre)malignant disorders, or irritation, burns, ulceration, laceration, aging, etc. of the skin, connective tissue, or nonoral mucosa, or for modification or facilitation of tissue regeneration or for modulation of immune reactions. A topical eye prepn. was prepd. from micronized sucralfate 2, Carbopol 934 0.5, mannitol 5, **benzalkonium** chloride 0.01, Na EDTA 0.05, NaOH to pH 6, and sterile H<sub>2</sub>O to 100%. Wounded pigs were treated with an ointment contg. sucralfate 30, hyaluronic acid 0.6, pectin 10, gelatin 10, CMC 10 and fractionated coconut oil 60 g. A marked antiinflammatory effect was noted at the wound edge and the surrounding tissue as compared to wounds treated with the control.

L62 ANSWER 14 OF 27 HCAPLUS COPYRIGHT 1997 ACS

AN 1990:42586 HCAPLUS

DN 112:42586

TI Antimicrobial formulations containing **benzalkonium** fluorides as active agents

IN Bourbon, Pierre; Billot, Pierre; Lagny, Pierre

PA Atlantic Pharmaceutical Products Ltd., Ire.

SO Eur. Pat. Appl., 27 pp.

CODEN: EPXXDW

PI EP 308564 A1 890329

DS R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE

AI EP 87-402632 871123

PRAI FR 87-13156 870923

DT Patent

LA French

OS MARPAT 112:42586

AB The title formulation contains .gtoreq.1 quaternary ammonium compd. PhCH<sub>2</sub>N+Me<sub>2</sub>RF- (R = C<sub>8</sub>-18-alkyl). C<sub>12</sub>-alkyl dimethylbenzylammonium methylcarbonate was treated with HF solubilized in MeOH to give **benzalkonium** fluoride. The min. inhibitory concn. against Gonococci was 1.5 mg/L for **benzalkonium** chloride, 0.60 mg/L for **benzalkonium** chloride contg. 1 .mu.g/mL F-, and 0.44 mg/L for **benzalkonium** fluoride. A cream contained water, humectants, gelling agents, emulsifiers, antioxidants, antiseptics, and 1.00% by wt. benzalkonium fluoride. The **benzalkonium** fluoride can also be used for the inhibition of **herpes**, human immune deficiency virus, or AIDS virus (no data), and **herpes simplex** (data).

L62 ANSWER 15 OF 27 HCAPLUS COPYRIGHT 1997 ACS

AN 1990:204660 HCAPLUS

DN 112:204660

TI Pharmaceutical polysaccharides from Echinacea, for stimulation of macrophage activity

IN Wagner, Hildebert; Zenk, Meinhardt H.; Ott, Holger

PA Lomapharm Rudolf Lohmann G.m.b.H. K.-G. Pharmazeutische Fabrik, Fed. Rep. Ger.

SO Ger. Offen., 4 pp.

CODEN: GWXXBX

PI DE 3744345 A1 890706

AI DE 87-3744345 871228

DT Patent

LA German

AB Three polysaccharides isolated from Echinacea cell cultures, such as I, are drugs for the prevention and treatment of bacterial, viral, protozoic, and fungal diseases. The polysaccharides act by

037 Drug Literature Index

LANGUAGE:

German

SUMMARY LANGUAGE:

German; English

ABSTRACT:

Purified root extracts from Echinacea purpurea (L.) MOENCH.,  
\*\*\*Echinacea angustifolia D.C. and Echinacea pallida (NUTT.)  
NUTT. revealed biological activity in different immunological and virological  
test systems. All three plants exhibited different activity on immunological  
parameters, such as mitogenic stimulation, production of immunoglobulin IgM and  
of certain cytokines. An antiviral activity versus herpes simplex virus (HSV-1)  
and influenza virus (A2) was observed. The extracts under investigation also  
showed an indirect antiviral effect via stimulation of the interferon .alpha.,  
.beta.-production.

CONTROLLED TERM:

Medical Descriptors:

\*antiviral activity

\*immunomodulation

\*phytotherapy

animal cell

antibody production

article

controlled study

herpes simplex virus 1

immunostimulation

influenza virus a

mouse

nonhuman

plant root

Drug Descriptors:

\*echinacea extract: PD, pharmacology

\*echinacea extract: AN, drug analysis

\*echinacea extract: CM, drug comparison

\*plant extract: PD, pharmacology

\*plant extract: CM, drug comparison

\*plant extract: AN, drug analysis

alpha interferon: EC, endogenous compound

beta interferon: EC, endogenous compound

cytokine: EC, endogenous compound

echinacea angustifolia extract: PD, pharmacology

echinacea angustifolia extract: CM, drug comparison

echinacea pallida extract: CM, drug comparison

echinacea pallida extract: PD, pharmacology

echinacea purpurea extract: PD, pharmacology

echinacea purpurea extract: CM, drug comparison

immunoglobulin m: -EC, -endogenous-compound

mitogenic agent

unclassified drug

CAS REGISTRY NO.: (immunoglobulin m) 9007-85-6

PUBSCOP: 94018994 BASF

PUBSCOP: 1994018994

Host-resistance activity of Echinacea species

Bodinet C.; Wolligmann I.; Beuscher N.

Planta Medica 7 (1993) 39/7 SUPPL. (A672-A673)

Index: 0032-0943 CODEN: PLMEAA

Germany

DOCUMENT TYPE: Journal; Conference Article

FILE COMMENT: Microbiology

Immunology, Serology and Transplantation

Pharmacology

COUNTRY: United States  
DOCUMENT TYPE: Journal; (Short Survey)  
FILE SEGMENT: 006 Internal Medicine  
030 Pharmacology  
037 Drug Literature Index  
038 Adverse Reactions Titles  
LANGUAGE: English  
CONTR INDEX TERM: Medical Descriptors  
\*alternative medicine  
drug mechanism  
drug-dose  
drug indication  
respiratory tract infection DT, drug therapy  
infection DT, drug therapy  
eczema DT, drug therapy  
psoriasis DT, drug therapy  
herpes simplex DT, drug therapy  
wound healing  
allergic reaction: SI, side effect  
drug contraindication  
human  
clinical trial  
randomized controlled trial  
double blind procedure  
controlled study  
short survey  
priority journal  
Drug Descriptors:  
\*echinacea: AE, adverse drug reaction  
\*echinacea: CT, clinical trial  
\*echinacea: DO, drug dose  
\*echinacea: IT, drug interaction  
\*echinacea: DT, drug therapy  
\*echinacea: PD, pharmacology  
\*immunosuppressive agent: IT, drug interaction  
\*herbaceous agent: AE, adverse drug reaction  
\*herbaceous agent: CT, clinical trial  
\*herbaceous agent: DO, drug dose  
\*herbaceous agent: IT, drug interaction  
\*herbaceous agent: DT, drug therapy  
\*herbaceous agent: PD, pharmacology  
placebo

L131 ANSWER 32 OF 39 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V. on STN  
ACCESSION NUMBER: 95203489 EMBASE  
DOCUMENT NUMBER: 1995203489  
TITLE: [Immune modulating properties of root extracts of different  
Echinacea species].  
IMMUNOMODULIERENDE EIGENSCHAFTEN VON WURZELEXTRAKTEN  
VERSCHIEDENER ECHINACEA-ARTEN.  
AUTHOR: Beuscher N.; Bodinet C.; Willigmann I.; Egert D.  
CORPORATE SOURCE: Schaper/Brummer GmbH and Co.KG, Bahnhofstrasse 35, 38259  
Salzgitter, Germany  
SOURCE: Zeitschrift für Phytotherapie (1995) 16/3  
(157-162+165-166).  
ISSN: 0722-348X CODEN: ZPHYDG  
Germany  
COUNTRY: Germany  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 004 Microbiology  
026 Immunology, Serology and Transplantation  
029 Clinical Biochemistry  
030 Pharmacology

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(antimicrobial treatment for herpes simplex virus and other infectious diseases)

REFERENCE COUNT: 4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L131 ANSWER 22 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 1990:204660 CAPLUS

DOCUMENT NUMBER: 112:204660

TITLE: Pharmaceutical polysaccharides from *Echinacea*, for stimulation of macrophage activity  
Wagner, Hildebert; Zenk, Meinhard H.; Ott, Holger  
Lomapharm Rudolf Lohmann G.m.b.H. K.-G.  
Pharmazeutische Fabrik, Fed. Rep. Ger.  
Ger. Offen., 4 pp.  
CODEN: GWXXBX

INVENTOR(S):

PATENT ASSIGNEE(S):

SOURCE:

DOCUMENT TYPE:

LANGUAGE:

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3744345	A1	19890706	DE 1987-3744345	19871228
PRIORITY APPLN. INFO.: AB			DE 1987-3744345	19871228

Three polysaccharides isolated from *Echinacea* cell cultures, such as I, are drugs for the prevention and treatment of bacterial, viral, protozoic, and fungal diseases. The polysaccharides act by stimulating the activity of the macrophages and are esp. useful in the treatment of opportunistic infections in AIDS patients.

L131 ANSWER 23 OF 39 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V. on STN  
ACCESSION NUMBER: 2002405131 EMBASE  
TITLE: The effect of herbal remedies on the production of human inflammatory and anti-inflammatory cytokines.

UTHOR: Barak V.; Birkenfeld S.; Halperin T.; Kalickman J.  
CORPORATE SOURCE: Dr. V. Barak, Dept. of Oncology, Hadassah University Hospital, P.O. Box 1200, Jerusalem 91120, Israel.  
barak845@yahoo.com  
SOURCE: Israel Medical Association Journal, (1 Nov 2002) 4:11  
SUPPL. (919-922).  
Refs: 23  
ISSN: 1565-1088 CODEN: IMAJDH

COUNTRY: Israel  
DOCUMENT TYPE: Journal Article  
LE-SEGMENT: 026 Immunology, Serology, and Transplantation  
030 Pharmacology  
029 Clinical Biochemistry  
037 Drug Literature Index  
LANGUAGE: English

Background: Some herbal remedies are sold as food additives and are believed to have immune-enhancing properties. Objectives: To study the effects of Sambucol Black Elderberry Extract, Sambucol Active Defense, and Sambucol for Kids (with known antiviral properties, Procter and Gamble) containing propolis and *Echinacea*, claimed to be immune boosters, on the production of cytokines, one of the main components of the